

ABSTRACT

The aim of this invention is to propose a process allowing the application of a spatial marking, that is to say invisible to the eye, on a support. A constraint consists in authorizing the reading of this marking by an acquisition apparatus of the image of a lower resolution.

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This aim is achieved by a generation and application process on a support of a digital spatial marking of $X \times Y$ points according to a resolution of $d1x$ by $d1y$ points per surface unit, and intended to be read by a reading device with resolution $d2x$ by $d2y$ points by surface unit, taking into account that the ratio $d1x/d2x$ and/or $d1y/d2y$ is larger than 1, this process comprising the

10 following steps:

- sub-sampling of the digital spatial marking in X according to a factor $n_x = d1x/d2x$ and in Y according to a factor $n_y = d1y/d2y$,
- erosion of the points intended to be applied so as to allow one point every n_x points in X and a point every n_y points in Y ,
- application of the spatial marking on the support.

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